1,	Let y; be # of assists made by a
	particular player in a particular game.
	William Man a Man
	· Support of y? y. \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	· g. () ~ Poisson (2)
	Let $\lambda = -\infty$
	X: # minutes a particular plays in a
	particular game-
	D: rate of assists per unit time
	p(y1,,yn 10) = 1 p(y:10)
	= 1 (0x; y: e-0x;
	i=(Yil
	The state of the s
	Description of the second seco
2.	Prior of ununouns
	them is the diffe from more experiment
	·What is unknown? answer: 0.
	· What is its support? answer: 070
	The second section of the second seco
	A ~ gamma (a,b)
	Choose a= 9, v=3 5.+, E(0) = 9/3 = 3.
	^ terrible prior, can our likelihood overcome it?
	many to grant year of the same

	Poisson as a member of the exp. family
L),	
	$p(y \lambda) = \frac{1}{y!} \lambda^y e^{-\lambda}$
	y!
	h(y)
	Now 29 needs to look like totaly)
	Let $\phi = \log \lambda$, then $e^{\phi} = \lambda$
-(-)	$\phi) = \boxed{y!} e^{\phi y} e^{-e^{\phi}}$ $n(y) e^{\phi t(y)} c(\phi)$
pig	9: 2:
	(d) (d)
	hly) E
	t(y)=y
	therefore the conj. prior is
1.	t)= c(d) 00 e 00+00
p(plng)	t-)= c(q) C
	= e no noto o
	= 0 0
	$\frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) + \frac{1}{2} \left(\frac{1}{2$
	how to go from p(\$ Ino, to) > p(1/no, to)?
	one-line formula: 3)
	typo: plot on right should be "lambda" not "theta"
	$P(\phi n_0, t_0) d\phi = P(\lambda n_0, t_0) d\lambda$ Tamboa not theta
	d 100 1 = 1
	p(NInorto) = p(pinorto)dp dx dx log 1 - x